

REMARKS

This Amendment is filed in response to the Office Action mailed on August 4, 2005. All objections and rejections are respectfully traversed.

Claims 1 to 29 are in the application and currently pending.

Claims 22 to 29 are added to better claim the invention.

At page 2 of the Office Action claims 1-21 were rejected under 35 U.S.C. §102 as being anticipated by Buchholz at al., US Patent No. 5,440,545, issued on August 8, 1995, hereinafter Buchholz.

The present invention as set forth in representative claim 1 comprises in part:

1. A method for reassembling a packet, the method comprising the steps of:
 - locating a fragment packet descriptor associated with the packet;
 - and
 - placing the contents of the fragment packet descriptor in a packet descriptor associated with the packet.*

By way of background, Buchholz describes a packet switching system using a packet switch to assure delivery of all fragments. Each data packet includes a plurality of fragments. Each fragment includes control information for that fragment.

Applicant respectfully urges that Buchholz does not show Applicant's claimed novel *placing the contents of the fragment packet descriptor in a packet descriptor as-*

sociated with the packet. Nowhere does Buchholz describe a *packet descriptor* having the contents of all the fragment packet descriptors placed therein. Furthermore, the packet descriptor is not part of the packet only associated with the packet. Additionally, the packet descriptor is used by queuing and packet logic of the router to further process the packet outside the processor. That is, Buchholz is silent concerning using a *packet descriptor associated with the packet.*

Furthermore, Buchholz only describes reassembly using a register of the processor. Again, Buchholz's reassembly is totally silent concerning Applicant's claimed novel *packet descriptor.*

Furthermore, representative claim 11 claims "*issuing a request to a reassembly assist function if all the fragments for the packet have been received.*" Buchholz only discloses sending an ACK upon receipt of all fragments to signal all fragments were properly received. In sharp contrast, Applicant's invention claims issuing a request for reassembly to allow packets to be reassembled outside of the processor. Furthermore, the request is sent when all packets are received to start reassembly. By waiting till all packets are received before reassembly, the amount of time the processor dedicated to reassembly of a packet is limited to the issuance of one command. Accordingly, Applicant's invention allows less interruptions of the processor for reassembling.

Applicant respectfully urges that the Buchholz patent is legally precluded from anticipating the claimed invention under 35 U.S.C. §102 because of the absence from the Buchholz patent of Applicant's *placing the contents of the fragment packet descriptor*

in a packet descriptor associated with the packet and issuing a request to a reassembly assist function if all the fragments for the packet have been received.

All independent claims are believed to be in condition for allowance.

All dependent claims are believed to be dependent from allowable independent claims, and therefore in condition for allowance.

Favorable action is respectfully solicited.

Please charge any additional fee occasioned by this paper to our Deposit Account
No. 03-1237.

Respectfully submitted,



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